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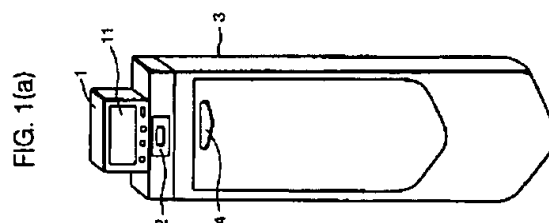
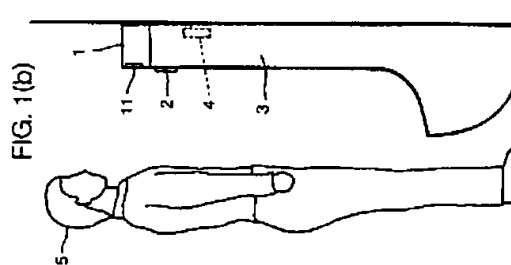
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(54) 【発明の名称】 情報表示装置及び情報配信システム

(57) 【要約】

【課題】 公衆に対して効果的に情報を伝達することができる情報表示装置を提供する。

【解決手段】 赤外線センサ2により利用者5が検知されたときに、情報表示装置本体1がLCDディスプレイ11に広告やイベント情報等の画像を表示する。また、赤外線センサ2により利用者5が検知されたときに、水洗装置4が作動して便器3が水洗される。



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TITLE: Information display device has liquid crystal display  
unit for displaying advertisement and event information,  
when infrared sensor detects presence of user in toilet

PATENT-ASSIGNEE: CYBER TRANSACTION KK[CYBEN]

PRIORITY-DATA: 2000JP-0275165 (September 11, 2000)

PATENT-FAMILY:

| PUB-NO          | PUB-DATE     | LANGUAGE | PAGES | MAIN-IPC    |
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| JP 2002155564 A | May 31, 2002 | N/A      | 007   | E03D 005/10 |

APPLICATION-DATA:

| PUB-NO        | APPL-DESCRIPTOR | APPL-NO        | APPL-DATE     |
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INT-CL (IPC): E03D005/10, E03D011/02 , G09F019/00

ABSTRACTED-PUB-NO: JP2002155564A

BASIC-ABSTRACT:

NOVELTY - A LCD unit (11) is activated for displaying advertisement and event information and a spray washer (4) is activated for cleaning a toilet device (3) with water, when an infrared (IR) sensor (2) detects the presence of a user (5) in the toilet.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for information distribution system.

USE - For displaying advertisement and news to user in toilet.

ADVANTAGE - The display device displays the advertisement and news to public effectively.

DESCRIPTION OF DRAWING(S) - The figure shows information display device installed in toilet.

IR sensor 2

Toilet device 3

Spray washer 4

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## \* NOTICES \*

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1. This document has been translated by computer. So the translation may not reflect the original precisely.
2. \*\*\*\* shows the word which can not be translated.
3. In the drawings, any words are not translated.

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## CLAIMS

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### [Claim(s)]

[Claim 1] The information display characterized by having a detection means to detect the user of a toilet bowl, the display means prepared in the position which meets the user of a toilet bowl, and an information offer means to display various kinds of information on this display means when the user of a toilet bowl is detected by this detection means.

[Claim 2] The aforementioned detection means is an information display according to claim 1 characterized by being made to serve a double purpose also as a means to detect the aforementioned user in order to operate the spray washer with which the aforementioned toilet bowl is equipped, and which rinses the aforementioned toilet bowl.

[Claim 3] The information display according to claim 1 or 2 characterized by providing the following. It is the switch which has the means of communications connected with the information distribution server which distributes information through a communication line possible [ communication ], and is operated by the aforementioned user according to the information which the aforementioned information offer means receives the information displayed on the aforementioned display means from this information distribution server through this means of communications, and is displayed on the aforementioned display means. A switch data transmitting means to transmit the operation situation data of this switch to the aforementioned information distribution server through the aforementioned means of communications.

[Claim 4] It is the information display according to claim 1 or 2 which is equipped with the following and characterized by receiving through the aforementioned means of communications and the aforementioned information offer means displaying the aforementioned detailed information transmitted from the aforementioned information distribution server according to the aforementioned detailed information demand data on the aforementioned display means. It is the switch which has the means of communications connected with the information distribution server which distributes information through a communication line possible [ communication ], and the aforementioned information offer means receives the information displayed on the aforementioned display means from this information distribution server through this means of communications, and is operated by the aforementioned user. A detailed information demand means to transmit the detailed information demand data which require transmission of the detailed information about the information currently displayed on the aforementioned display means when this switch was operated and this switch was operated to the aforementioned information distribution server through the aforementioned means of communications.

[Claim 5] The information display according to claim 3 or 4 characterized by using the switch of a non-contact formula as the aforementioned switch.

[Claim 6] The aforementioned information offer means is an information display given in any 1 term among a claim 1 to the claims 5 characterized by preparing a predetermined interval when changing two or more information, displaying on the aforementioned display means continuously and changing each information.

[Claim 7] The aforementioned information offer means is an information display according to claim 6

[Claim 8] It is the information distribution system characterized by providing the following. the aforementioned information display When the switch operated by the user and this switch are operated It has a detailed information demand means to transmit the detailed information demand data which require transmission of the detailed information about the information currently displayed on the aforementioned display means when this switch was operated through the aforementioned means of communications, to the aforementioned information distribution server. The aforementioned information distribution server transmits the aforementioned detailed information to the aforementioned means of communications, when the aforementioned detailed information demand data are received. The aforementioned information offer means displays this detailed information that received through the aforementioned means of communications on the aforementioned display means. the aforementioned information distribution server The information distribution system characterized by having totaled the number of times of reception of the aforementioned detailed information demand data of this information on display for each [ which was displayed on the aforementioned display means ] information of every, and having a reaction grasp means to grasp the aforementioned user's reaction degree to each information displayed on the aforementioned display means. The information distribution server which distributes two or more information through a communication line. Means of communications connected with this information distribution server possible [ communication ]. A detection means to detect the user of a toilet bowl. The information display which has the display means prepared in the position which meets the user of a toilet bowl, and an information offer means to display on the aforementioned display means continuously while changing two or more information received from the aforementioned information distribution server through the aforementioned means of communications, when the user of a toilet bowl is detected by this detection means.

[Translation done.]